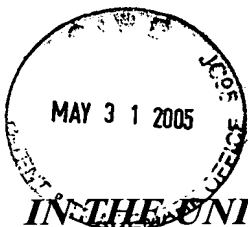


# BARNES & THORNBURG



11 South Meridian Street  
Indianapolis, Indiana 46204  
(317) 236-1313  
(317) 231-7433 Fax

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group: 1723  
Confirmation No.: 8873  
Application No.: 10/646,125  
Invention: ARRANGEMENT AND METHOD FOR  
PERFORMING CHROMATOGRAPHY  
Applicant: David Nurok et al.  
Filed: August 22, 2003  
Attorney  
Docket: 29920-73303  
Examiner: Therkon, Ernest G.

### Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is  
being deposited with the United States Postal  
Service with sufficient postage as first class  
mail in an envelope addressed to Commissioner  
for Patents, P.O. Box 1450, Alexandria, VA  
22313-1450

on 5/24/05

Karla I. Mays  
(Signature)

Karla I. Mays  
(Printed Name)

### INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This statement is filed in the application identified above pursuant to 37 C.F.R. § 1.56. No representation is intended that a complete search has been made of the prior art or that no better art references than listed below are available. The filing of this Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in §1.56(b).

Pursuant to 37 C.F.R. §1.98(d), copies of the references are not required since the all of the listed references, except AX and AY as listed in the attached Form PTO-1449, were cited during prosecution of parent U.S. Application Serial No. 09/941,205, filed October 25, 1999, now U.S. Patent No. 6,303,029, issued on October 16, 2001, which is relied upon for an earlier filing date under 35 U.S.C. § 120. However, AX and AY were cited in corresponding U.S. Application Serial No. 09/426,297, filed August 28, 2001, now U.S. Patent No. 6,610,202,

issued on August 26, 2003, which is also relied upon an earlier filing date under 35 U.S.C. § 120. References AZ through CY have not been cited in prior applications and a copy of the references are provided for review by the Examiner

Please charge any fees that might be due in connection with this Information Disclosure Statement to our Deposit Account No. 10-0435. An extra copy of this Information Disclosure Statement is enclosed for that purpose.

Respectfully submitted,

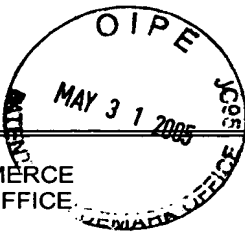
BARNES & THORNBURG

A handwritten signature in black ink, appearing to read "Shawn D. Bauer", written over a horizontal line.

Shawn D. Bauer  
Attorney Reg. No. 41,603

SDB/GMK/kim  
Indianapolis, IN  
(317) 231-7313

INDS02 SDB 645988v1

Sheet 1 of 3U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
29920-73303SERIAL NO.  
10/646,125APPLICANT  
David Nurok et al.FILING DATE  
August 22, 2003GROUP  
1723

## U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	4,865,729	Sep. 1998	Saxena			
	AB	4,740,298	Apr. 1988	Andersen			
	AC	4,708,782	Nov. 1987	Andersen			
	AD	4,671,871	Jun. 1987	Szekely			
	AE	4,671,870	Jun. 1987	Tompa			
	AF	4,591,524	May 1986	Tyihak			
	AG	4,438,205	Mar. 1984	Saint Leger			
	AH	4,346,001	Aug. 1982	Tyihak			
	AI	3,864,250	Feb. 1975	Perry			
	AJ	5,350,510	Sep. 1994	Partney			
	AK						

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AL						
	AM						
	AN						
	AO						
	AP						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Conference Report; Journal of Planar Chromatography, 1993; 355-356; Authored by Ian Davies
	AS	Electroosmotically driven thin-layer electrochromatography on silica media; 1999; J. Chromatogr. 844; 333-340; Authored by Howard et al.
	AT	Evaporation-induced solvent migration in electrically-driven thin layer chromatography; 1999, J. Chromatogr. 841; 127-132; Authored by Shafik et al.
	AU	Electro-osmosis: A new concept for high-speed liquid chromatography; Journal of Chromatography; 1974; 99; 23-30; Authored by Pretorius et al.
	AV	Planar Electrochromatography on non-wetted thin-layers; Chromatographia; January 1994; Vol. 38, No. 1/2; 83-87; Authored by Pukl et al.
	AW	Planar Electrophoresis and Electrochromatography: Time to Revisit these Techniques?; Journal of Planar Chromatography; Sept./Oct. 97; Vol. 10; 332-335; Authored by Poole et al.
	AX	Electrokinetic Ultrafiltration Analysis of Polysaccharides: A new Approach to the Chromatography of Large Molecules; International Congress on Analytical Chemistry; June 3, 1952; 964-969; Authored by D. L. Mould and R. L. M. Synge
	AY	Separations of Polysaccharides related to Starch by Electrokinetic Ultrafiltration in Collodin Membranes; The Rowett Research Institute, Bucksburn, Aberdeenshire; April 15, 1954; 571-585; Authored by D. L. Mould and R. L. M. Synge
	AZ	D. Nurok et al., "The Performance of Planar Chromatography using Electroosmotic Flow", Journal of Planar Chromatography, Vol. 11, July/August 1998, pgs. 244-246

Examiner

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 29920-73303		SERIAL NO. 10/646,125	
				APPLICANT David Nurok et al.			
				FILING DATE August 22, 2003		GROUP 1723	

U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes    No
	BL						
	BM						
	BN						
	BO						
	BP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)		
	BR	D. Nurock et al., "Separation Using Planar Chromatography with Electroosmotic Flow", <i>Journal of Chromatography A</i> , 903, 2000, pgs. 211-217
	BS	D. Nurock et al., "Variables that Affect Performance in Planar Chromatography with Electroosmotic Flow", <i>Journal of Planar Chromatography</i> , Vol. 14, November/December 2001, pgs. 409-414
	BT	D. Nurock et al., "The Performance of Planar Electrochromatography in Horizontal Chamber", <i>Journal of Planar Chromatography</i> , Vol. 15, September/October 2002, pgs. 320-323
	BU	D. Nurock et al., "Role of Buffer Concentration and Applied Voltage in Obtaining a Good Separation in Planar Electrochromatography", <i>Journal of Chromatography A</i> , 983, 2003, pgs. 247-253
	BV	T. H. Dzido et al., "Planar Electromatography in Horizontal Chamber with Cooling of the Chromatographic Plate", <i>Proc. International Symposium on Planar Separations</i> , Budapest, 2003, pgs. 129-138
	BW	T. Dzido et al., "Application of a Horizontal DS Chamber to Planar Electrochromatography", <i>Journal of Planar Chromatography</i> , Vol. 16, May/June 2003, pgs. 176-182
	BX	I. Malinowska et al., "Planar Electrochromatography on Silica and Alumina", <i>Journal of Planar Chromatography</i> , Vol. 11, November/December 1998, pgs. 411-416
	BY	I. Malinowska, "The Influence of Electric Fields on the Chromatographic Process in TLC", <i>Journal of Planar Chromatography</i> , Vol. 12, November/December 1999, pgs. 408-415
	BZ	I. Malinowska, "Planar Electrochromatography on Nonwetted Layers with Binary Mobile Phases", <i>Journal of Planar Chromatography</i> , Vol. 13, July/August 2000, pgs. 307-313

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.  
 Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 29920-73303		SERIAL NO. 10/646,125	
				APPLICANT David Nurok et al.			
				FILING DATE August 22, 2003		GROUP 1723	

U.S. PATENT DOCUMENTS							
*Examiner Initial	CA	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	CA						
	CB						
	CC						
	CD						
	CE						
	CF						
	CG						
	CH						
	CI						
	CJ						
	CK						

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes    No
	CL						
	CM						
	CN						
	CO						
	CP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)		
	CR	I. Malinowska, "Some Aspects of the Effect of an Electric Field in Reversed-Phase Thin-Layer Chromatography", <i>ACTA Chromatographica</i> , No. 11, 2001, pgs. 204-214
	CS	I. Malinowska et al., "The Effect of Electric Fields on Solute Migration and Mixture Separation in TLC", <i>Journal of Planar Chromatography</i> , Vol. 15, November/December 2002, pgs. 418-424
	CT	V. Coman et al., "Planar Dielectrochromatography—A Perspective Technique", <i>Journal of Planar Chromatography</i> , Vol. 16, September/October 2003, pgs. 338-346
	CU	S. Kreibik et al., "Horizontal Planar Dielectrochromatography. I. Preliminary Results", <i>Journal of Planar Chromatography</i> , Vol. 15, November/December 2002, pgs. 425-428
	CV	J. K. Rózlo et al., "10 Electroosmotically driven TLC—in Planar Chromatography: A Retrospective View for the Third Millennium, Nyiredy, SZ. ed.", <i>Springer Scientific, Budapest, Hungary</i> , 2001, pgs. 200-219
	CW	R. Consden et al., "Ionophoresis in Silica Jelly—A Method for the Separation of Amino-Acids and Peptides", <i>Biochem. J.</i> , Vol. 40, 1946, pgs. 33-41
	CX	D. Nurock et al., "Apparatus and Initial Results for Pressurized Planar Electrochromatography", <i>Analytical Chemistry</i> , Vol. 76, No. 6, March 15, 2004, pgs. 1690-1695
	CY	J. M. Koers et al., "Performance of Planar Electrochromatography at Elevated Pressure", <i>Proc. International Symposium on Planar Separations</i> , Budapest, 2003, pgs. 123-128
	CZ	

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.  
 Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.